

REMARKS

In the Application, claims 1-13 are pending. The applicant thanks the Examiner for allowing claims 9-11, provided the claims are rewritten in a form to include all the limitations of the base claim and any intervening claims. Herein applicant cancels without prejudice claims 1-8, 12, and 13 without prejudice.

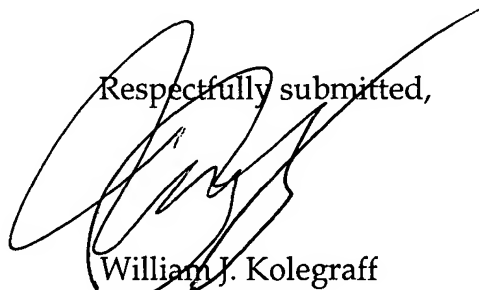
In the Office Action, the Examiner addresses claims 1-8, 12, and 13. Herein applicant has cancelled these claims without prejudice, therefore the matters addressed regarding claims 1-8, 12, and 13 are moot.

In the Office Action, the Examiner finds claims 9-11 to have allowable subject matter. Herein, applicant rewrites claim 9 into independent form to include the limitations of base claim 1 and intervening claim 6. As amended, independent claim 9 is believed to be in a condition for allowance. Also, claims 10 and 11, which depend from independent claim 9, are also believed to be in a condition for allowance.

CONCLUSION

Applicant respectfully submits that pending claims 9-11 are now in a condition for allowance. If the Examiner would find it useful, the Examiner is invited to call the undersigned attorney.

Respectfully submitted,



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VERSION WITH MARKINGS TO SHOW CHANGES MADE

(Added text is underlined and deleted text is in brackets)

In the Claims:

9. (Amended) A tunable power amplifier comprising:
_____ a power amplifier;
_____ a ferro-electric tunable component coupled to the power amplifier;
_____ a power amplifier output matching circuit coupled to the power
amplifier, having an impedance and comprising the ferro-electric tunable
component;
_____ a control line operably coupled to the ferro-electric component;
_____ a control source electrically coupled to the control line, the control
source configured to transmit a control signal on the control line;
_____ wherein the ferro-electric component, responsive to the control
signal, adjusts the impedance of the matching circuit; and
_____ wherein the matching circuit comprises:
_____ a first tunable ferro-electric capacitor coupled at a first end
of the first capacitor to an output of the power amplifier and to
ground at a second end of the first capacitor;
_____ an inductive element coupled at a first end of the inductor to
the first tunable capacitor and to the power amplifier, and;
_____ a second tunable ferro-electric capacitor coupled, at a first
end of the second capacitor to a second end of the inductive
element and to ground at a second end of the second capacitor;
_____ wherein, the ferro-electric component comprises one of the
ferro-electric tunable capacitors;
[The tunable power amplifier of claim 6, further comprising:]a
second inductive element coupled at a first end of the second inductive element
to the second end of the first inductive element; and
a third ferro-electric tunable capacitor coupled at a first end of the third
capacitor to a second end of the second inductive element and at a second end of
the third capacitor to ground.